

Albania – Fishing Fleet preliminary analysis (2001)

Tirana 17-23 Nov.2001

Hereafter, some preliminary basic statistical analysis of the vessel data in the database ALBASTAT-2000 is presented.

- Number of fishing vessels in the database: 198
- Fishing Ports: 4 (a fifth port resulted to be not operative)
- Type of boats found: 6
- Type of gear found: 11
- Number of engines: 210
- Powered vessels: 198
- Number of registered fishermen: 706

The boats are distributed in four ports and more than 70% of the whole fleet is based in Durres and Vlore (see tab.1 and fig. 1)

Table 1. Vessels distribution by ports

Port	Number of vessels	%
1 Kapiteneria Vlore	66	33%
2 Kapiteneria Sarande	30	15%
3 Kapiteneria Shengjin	27	14%
4 Kapiteneria Durres	75	38%
	198	100%

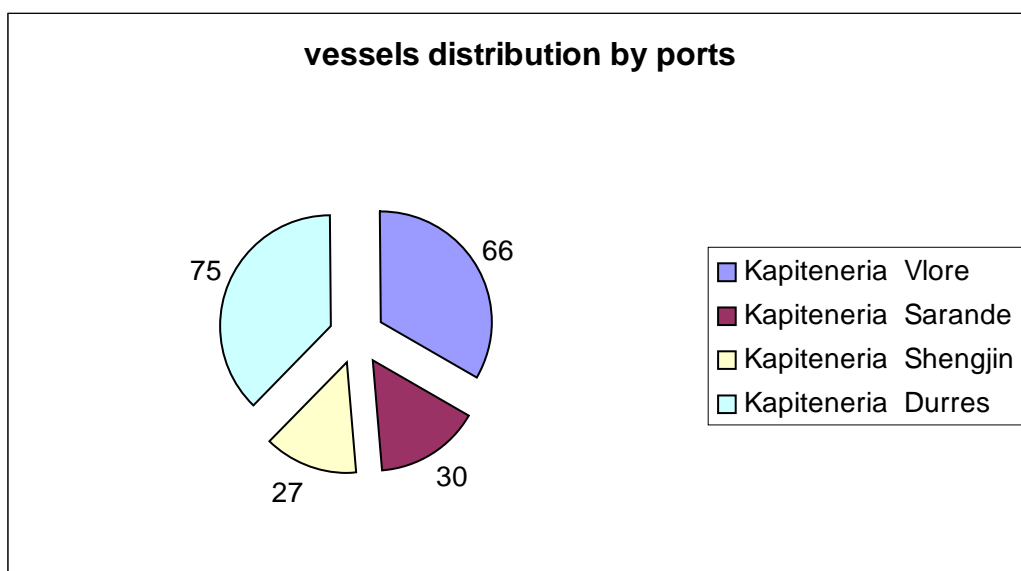


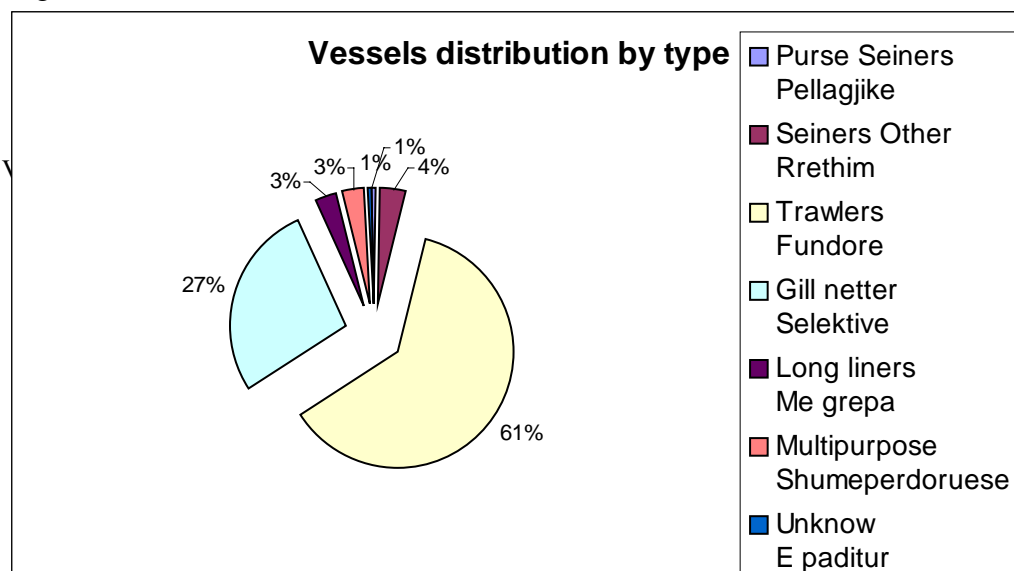
Figure. 1 Vessels area distribution.

The fleet is characterized by and high presence of trawlers (62%) followed by gill-netter (28%). See tab. 2 and graph 2

Vessels distribution by type (Tab 2)

Code	Albanian	English	Freq.	%
200	Pellagjike	Purse Seiners	1	1%
298	Rrethim	Seiners Other	7	4%
300	Fundore	Trawlers	122	62%
700	Selektive	Gill netter	55	28%
900	Me grepa	Long liners	6	3%
8800	Shumeperdoruese	Multipurpose	6	3%
9999	E paditur	Unknow	1	1%
Total			198	100%

Fig2



Code	Vessels type	Vlore	Sarande	Shengjin	Durres	TOTAL
200	Pellagjike/Purse Seiners	1	0	0	0	1
298	Rrethim/Seiners Other	1	0	1	5	7
300	Fundore/Trawlers	53	7	19	43	122
700	Selektive/Gill netter	10	23	7	15	55
900	Me grepa/Long liners	1	0	0	5	6
8800	Shumeperdoruese/Multipurpose	0	0	0	6	6
9999	E paditurUnknow	0	0	0	1	1
		66	30	27	75	198

Subdividing the fleet by length classes (<12m and >12m), the number of the boats with length less than 12m is 59 (30%), and the boats with length more than 12m are 139 (70%).

Vessels length	Frequency	%
<12 m	59	30%
>12m	139	70%
Total	198	100%

As far as the boats with length less than 12 meter are concerned; the distribution by type highlights the predominance of gill-netter (71%), whereas trawlers appear to be the most frequently used (83% of the total) in the length more than 12 m class (see table 4).

Table 4. Vessels distribution by vessel type and length classes.

Vessel Type	<12 m	>12m	Total
Pellagjike/Purse Seiners	0%	1%	1%
Rrethim/Seiners Other	2%	4%	4%
Fundore/Trawlers	10%	83%	62%
Selektive/Gill netter	71%	9%	28%
Me grepa/Long liners	8%	1%	3%
Shumeperdoruese/Multipurpose	7%	1%	3%
E paditurUnknow	2%	0%	1%
	100%	100%	100%

Number of fishermen

The total number of registered fishermen in 2000 is 706; 119 fishermen are registered on vessels with length less than 12 meters and the remaining 587 fishermen are registered on vessels with length more than 12 meters.

Table 5, presents the distribution of fisherman by vessels type and length classes.

Type of boats	Number of fishermen				Total	Total %
	>12m	>12m %	<12m	<12m %		
Pellagjike/Purse Seiners	0	0%	4	1%	4	1%
Rrethim/Seiners Other	2	2%	31	5%	33	5%
Fundore/Trawlers	9	8%	502	86%	511	72%
Selektive/Gill netter	83	70%	45	8%	128	18%
Me grepa/Long liners	14	12%	2	0%	16	2%
Shumeperdoruese/Multipurpose	9	8%	3	1%	12	2%
E paditurUnknow	2	2%		0%	2	0%
TOTAL	119	100%	587	100%	706	100%

Examining the age of the hulls, it was observed that 40 % of the fleet is more than 30 years old and, vessels with length > 12m and older than 30 years represent the 47% of the total.

Vessels distribution by age of the hull and by length class (>12<)						
Class of years	<12 m	<12 m %	>12m	>12m %	Total	Total %
1940 – 1949	1	2%	10	7%	11	6%
1950 – 1959	4	7%	25	18%	29	15%
1960 – 1969	9	15%	29	21%	38	19%
1970 – 1979	18	31%	33	24%	51	26%
1980 – 1989	19	32%	37	27%	56	28%
1990 – today	5	8%	2	1%	7	4%
Missing data	3	5%	3	2%	6	3%
Total	59	100%	139	100%	198	100%

The age of the engine was also scrutinized. The age class 1980-1989 appears to be the most substantial, followed by the 1970-1979 class. Table 6 gives the number of boat by age classes by type of boat and by gear used.

Type of boats	Gear	1950-1959	1960-1969	1970-1979	1980-1989	1990-today	Missing data	Total
Gill netter	Boat or vessel seines	0	0	1	0	0	1	2
	Driftnets	0	1	0	0	0	16	17
	GILLNETS AND ENTANGLING NETS	0	0	1	0	0	0	1
	HOOKS AND LINES	2	3	8	5	1	14	33
	TRAWLS	0	0	1	0	0	1	2
Gill netter Total		2	4	11	5	1	32	55
Long liners	HOOKS AND LINES	0	0	1	3	0	2	6
Long liners Total		0	0	1	3	0	2	6
Multipurpose	Bottom otter trawls	1	0	0	0	0	0	1
	HOOKS AND LINES	0	0	1	2	1	0	4
	With purse lines (purse seines)	0	0	0	0	1	1	2
Multipurpose Total		1	0	1	2	2	1	7
Purse Seiners	With purse lines (purse seines)	0	0	0	1	0	0	1
Purse Seiners Total		0	0	0	1	0	0	1
Seiners Other	Boat or vessel seines	0	0	0	0	0	1	1
	SURROUNDING NETS	1	0	0	0	0	0	1
	With purse lines (purse seines)	7	0	0	0	0	0	7
Seiners Other Total		8	0	0	0	0	1	9
Trawlers	Bottom otter trawls	6	10	23	38	3	27	107
	Bottom trawls	0	0	1	0	0	4	5
	Bottom trawls (not specified)	0	0	0	0	0	1	1
	TRAWLS	7	2	2	5	0	2	18
Trawlers Total		13	12	26	43	3	34	131
Unknown	Unknown	0	0	0	1	0	0	1
(blank) Total		0	0	0	1	0	0	1
Grand Total		24	16	39	55	6	70	210

Table 6a, relative distribution of vessels by age classes, by type of vessels and by gear

Type of boats	Gear	1950-1959	1960-1969	1970-1979	1980-1989	1990-today	Missing data	Grand Total
Gill netter	Boat or vessel seines	0.0%	0.0%	0.5%	0.0%	0.0%	0.5%	1.0%
	Driftnets	0.0%	0.5%	0.0%	0.0%	0.0%	7.6%	8.1%
	GILLNETS AND ENTANGLING NETS	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.5%
	HOOKS AND LINES	1.0%	1.4%	3.8%	2.4%	0.5%	6.7%	15.7%
	TRAWLS	0.0%	0.0%	0.5%	0.0%	0.0%	0.5%	1.0%
Gill netter Total		1.0%	1.9%	5.2%	2.4%	0.5%	15.2%	26.2%
Long liners	HOOKS AND LINES	0.0%	0.0%	0.5%	1.4%	0.0%	1.0%	2.9%
Long liners Total		0.0%	0.0%	0.5%	1.4%	0.0%	1.0%	2.9%
Multipurpose	Bottom otter trawls	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%
	HOOKS AND LINES	0.0%	0.0%	0.5%	1.0%	0.5%	0.0%	1.9%
	With purse lines (purse seines)	0.0%	0.0%	0.0%	0.0%	0.5%	0.5%	1.0%
Multipurpose Total		0.5%	0.0%	0.5%	1.0%	1.0%	0.5%	3.3%
Purse Seiners	With purse lines (purse seines)	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	0.5%
Purse Seiners Total		0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	0.5%
Seiners Other	Boat or vessel seines	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.5%
	SURROUNDING NETS	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%
	With purse lines (purse seines)	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%	3.3%
Seiners Other Total		3.8%	0.0%	0.0%	0.0%	0.0%	0.5%	4.3%
Trawlers	Bottom otter trawls	2.9%	4.8%	11.0%	18.1%	1.4%	12.9%	51.0%
	Bottom trawls	0.0%	0.0%	0.5%	0.0%	0.0%	1.9%	2.4%
	Bottom trawls (not specified)	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.5%
	TRAWLS	3.3%	1.0%	1.0%	2.4%	0.0%	1.0%	8.6%
Trawlers Total		6.2%	5.7%	12.4%	20.5%	1.4%	16.2%	62.4%
Unknown	Unknown	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	0.5%
Unknown Total		0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	0.5%
Grand Total		11.4%	7.6%	18.6%	26.2%	2.9%	33.3%	100.0%

Safety equipment: communication apparatus, navigation apparatus

About the Navigation equipment of the boats, 88% resulted to have direction finder and 62% the Radar.

About the communication equipment 91% of the boats have a radio VHF and 23% of the boats a mobile telephone.

Navigation Apparatus

Code	Apparatus		
1	Asnje Aparat	22	11%
2	Loran C	18	9%
3	Loran A	1	1%
6	GPS	44	22%
7	Radar	123	62%
8	Busull	175	88%
9	Pilot Automatik	3	2%
11	Kompast	4	2%
98	Te Tjera	1	1%
99	E Panjohur	0	0%

Communication apparatus

Code	Apparatus		
1	Radio VHF	181	91%
2	Radio Telefon	7	4%
3	Telefon cellular	45	23%
4	Fax	0	0%
5	Radio satelitare	0	0%
8	Te Tjera	1	1%
9	E Panjohur	0	0%

Country were the hulls were manufactured

Looking to the data result that 55% of the fleet has produced in Italy (51% of boats <12m and 56% of boats > 12m). The boats produced in Albania are 20% of the total (3% of boats <12m and 26% of boats > 12m).

	<12 m	>12m	Total
Albania	3%	26%	20%
Greece	44%	4%	16%
Germany	0%	10%	7%
Italy	51%	56%	55%
Others	0%	3%	2%
Missing data	2%	0%	1%
Total	100%	100%	100%

vessels distribution by manufacturing country

